| LIST OF REFERENCES CITED BY | | ATTORNEY DOCKET NO. 03678.0064.00US00 | APPLICATION NO. 09/643,138 |
|-----------------------------|---------------|--|----------------------------|
| PTO FORM 1449 | | APPLICANT | |
| . % | | BOYER, et al. | |
| JUL 2 8 2004 H | AUG 0 6 200°C | FILING DATE | GROUP |
| <u> </u> | | August 21, 2000 | 1623 |

TECH CENTER 1600/2900

| BY & TRAC | | , | U.S. PAT | ENT DOCUMENTS | | | | | _ |
|---|---|--|--------------------------|---|---------------------------------------|----------------|-------------------|----------|------|
| "EXAMINER | | DOCUMENT NUMBER | DATE | NAME | CLASS | SI | JBCLASS | FILING D | |
| Do | | US 4,621,076 | 11/04/86 | | | 1 | | | |
| 140 | | US 5,721,219 | 02/24/98 | | | | - | | , |
| | , | | FOREIGN PA | ATENT DOCUMENTS | · · · · · · · · · · · · · · · · · · · | | | | |
| *EXAMINER | | DOCUMENT NUMBER | DATE | COUNTRY | | CLASS | SUBCLASS | TRANSL | ATIO |
| Lo de | 1. | WO 99/61012 | 12/02/99 | PCT | | | | 163 | |
| Ho | 2. | WO 89/04321 | 05/18/89 | PCT | | | | | |
| Ho | 3. | GB 1407903 | 10/01/75 | United Kingdom | | | | | |
| Fυ | 4. | International Search Report PCT/US01/41818 | 03/11/02 | PCT | | | | | |
| | 5. | | g Author, Title | REFERENCES e, Date, Pertinent Pages, ubstrate-Site-Directed | | s of A | denviate | Kinasa | |
| fo | | | ect of Subs | trate Substituents on A | | | | | |
| | 6. | Hiratsuka T., "Affinity Labeling of the Myosin ATPase with Ribose-Modified Fluorescent Nucleotides and Vanadate", <i>J. Biochem.</i> , <u>96</u> :147-154 (1984) | | | | | | | |
| | Martin, P. et al., "Structure-Activity Studies of Analogs of β,γ-Methylene-ATP at P_{2x}-Purinoceptors in the Rabbit Ear Central Artery", Drug Development Research, 36: 153-165 (1995) | | | | | | | | |
| | 8. | 8. Metzker, M. et al., "Termination of DNA synthesis by novel3'-modified-deoxyribonucleoside 5'-triphophate", Nucleic Acids Research, 22:4259-4267 (1994) | | | | | | | |
| 9. Pelicano, H. et al., "Study of the substrate-binding properties of bovine liver adenosine kinase and inhibition by fluorescent nucleoside analogues", Eur. J. Biochem., 248:930-937 (1997) | | | | | | | | | |
| | 10. | Richard, J. and Frey, Catalyzed by Adenyla | P.A., "Sterente Kinase", | eochemical Course of J. Am. Chem. Soc., 11 | Thiophos 10:7757-7 | sphor 758 (| yl Group 1978) | Transf | er |
| | 11. | Sekine, M. et al., "Ne | w Type of C | hemical Oxidative Pho f Triisopropylbenzenes | sphoryla | ition: | Activati | on of | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| CLISTOF REFERENCES CITED BY APPLICANT (Use several sheets if necessary) | ATTORNEY DOCKET NO. APPLICATION NO. 03678.0064.00US00 09/643,138 | | | |
|---|--|-------|--|--|
| PTO FORM 1449 | APPLICANT | | | |
| JUL 2 8 200, -) | BOYER, et al. | | | |
| | FILING DATE | GROUP | | |
| (B | August 21, 2000 | 1623 | | |

| Ho | 12. | Zatorski, A. et al., "Chemical Synthe of Inosine Monophosphate Dehydro Chemistry, American Chemical Soci | genase (Types I and | ill)", Journal of Medicinal |
|----------|-----|--|---------------------|-----------------------------|
| EXAMINER | He | in Ca | DATE CONSIDERED | 10/9/04 |

7-0 2000 ...

AUG 0 6 2004

JAN 2 1 200K E

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

PTO FORM 1449

| ATTY, DOCKET NO. | APPLICATION NO. | | |
|-------------------|-----------------|--|--|
| 03678.0064.00US00 | 09/643,138 | | |
| APPLICANT . | | | |
| Boyer, et al. | | | |
| FILING DATE | GROUP | | |
| 21-Aug-2000 | 1623 | | |

| | ., | | U.S. PATE | NT DOCUMENTS | | | | | |
|---|--|--|------------|------------------------------------|----------------------------|----------|---------|-------------|----|
| *EXAMINER | | DOCUMENT NUMBER | DATE | NAME | CLASS SUBCLASS | | UBCLASS | FILING DATE | |
| | 1. | | | | | | | | |
| · - | 2. | | | | | | | | |
| | 3. | | | | | \perp | | | |
| | 4. | | | | | <u> </u> | | | |
| | T | | FOREIGN PA | TENT DOCUMENTS | | | | | |
| *EXAMINER | | DOCUMENT NUMBER | DATE | COUNTRY | COUNTRY CLASS SUBCLASS TRA | | TRANSI | SLATION | |
| INITIAL | ļ | | | | | | | YES | NO |
| <i>ff-o•</i> | 5. | WO 92/ 01673 | 07/11/91 | | | | | ļ | |
| | 6. | | | | | | | | |
| | 7. | <u> </u> | L | | | | | <u> </u> | |
| | · | (Includin | | REFERENCES Date, Pertinent Pages, | Etc.) | | | | |
| Ho | 8. | Alessi, D. et al., "Synthesis and Properties of a Conformationally Restricted Spin-Labeled Analog of ATP and Its Interaction with Myosin and Skeletal Muscle" <i>Biochemistry</i> (1992), 31(34), 8043-54. | | | | | | | |
| 1 | 9. | Bujalowski, W. et al., "Structural Characteristics of the Nucleotide-Binding Site of Escherichia coli Primary Replicative Helicase DnaB Protein. Studies with Ribose and Base-Modified Fluorescent Nucleotide Analogs" Biochemistry (1994), 33(15), 4682-94. | | | | | | | |
| , | .10. | Cardullo, R. A. et al., "Synthesis, Purification, and Characterization of 2,4,6-Trinitrophenyl-UDP-galactose: A Fluorescent Substrate for Galactosyltransferase" <i>Analytical Biochemistry</i> (1990), 188(2), 305-9. | | | | | | | |
| 11. Carvalho-Alves, P. et al., "Stoichiometric Photolabeling of Two Distinct Low and High Affinity Nucleotide Sites in Sarcoplasmic Reticulum ATPase" Journal of Biological Chemistry (1985), 260(7), 4282-7. | | | | | | | | | |
| | 12. Chapal, J. et al., "Comparative effects of adenosine-5'-triphosphate and related analogs on insulin secretion from the rat pancreas" Fundamental & Clinical Pharmacology (1997), 11(6), 537-545. | | | | | | | | |
| | 13. | | | | | | | | |
| # #b | 14. | Hiratsuka, Toshiaki, "Monitoring the Myosin ATPase Reaction Using a Sensitive Fluorescent Probe: Pyrene-Labeled ATP" Biophysical Journal (1997), 72(2, Pt. 1), 843-849. | | | | | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

PTO FORM 1449

| ATTY, DOCKET NO. | APPLICATION NO. | | | |
|-------------------|-----------------|--|--|--|
| 03678.0064.00US00 | 09/643,138 | | | |
| APPLICANT | | | | |
| Boyer, et al. | | | | |
| FILING DATE | GROUP | | | |
| 21-Aug-2000 | 1623 | | | |

| 15. | Ikehara, M. et al., "III. Interaction Between Synthetic Adenosine Triphosphate Analogs and Actomyosin Systems" Biochimica et Biophysica Acta (1965), 100(2), 471-8. |
|-----|---|
| 16. | Ikehara, M. et al., "Unusual Rapid Cleavage of Terminal Phosphate Group of N6-Disubstituted Adenosine 5'-Triphosphate (ATP)by Divalent Cation" <i>Biochimica et Biophysica Acta</i> (1964), 85(3), 512-515. |
| 17. | Kwiatkowski, A. et al., "Mapping of the Adenosine 5'-Triphosphate Binding Site of Type II Calmodulin-Dependent Protein Kinase" Biochemistry (1987), 26(24), 7636-40. |
| 18. | Lowe, G. et al., "Evidence of a Dissociative S _N 1(P) Mechanism of Phosphoryl Transfer by Rabbit Muscle Pyruvate Kinase" Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1978), (12), 1622-30. |
| 19. | Marian, M., "Acetyl Derivatives of Nucleoside 5'-Triphosphates. I." Microchemical Journal (1984), 29(2), 219-27. |
| 20. | Mayer, I. et al., "Interaction of Fluorescent Adenine Nucleotide Derivatives with the ADP/ATP Carrier in Mitochondria. 1. Comparison of Various 3'-O-Ester Adenine Nucleotide Derivatives" Biochemistry (1984), 23(11), 2436-42. |
| 21. | Murataliev, M. et al., "Interaction of mitochondrial F ₁ -ATPase with trinitrophenyl derivatives of ATP. Photoaffinity labeling of binding sites with 2-azido-2',3'-O-(2,4,6-trinitrophenyl)adenosine 5'-triphosphate" <i>European Journal of Biochemistry</i> (1995), 232(2), 578-85. |
| 22. | Oliveira, C. R. G. et al., "Interaction of Spin-Labeled Nucleotides with Sarcoplasmic Reticulum Adenosinetriphosphatase" <i>Biochemistry</i> (1988), 27(16), 5923-7. |
| 23. | Ray, S. et al., "Microenvironment at the Substrate Binding Subsite of the Active Site of UDPglucose 4-Epimerase from Kluyveromyces Fragilis Using a Fluorescent Analog of UMP" Indian Journal of Biochemistry & Biophysics (1992), 29(2), 209-13. |
| 24. | Seebregts, C. et al., "2',3'-O-(2,4,6-Trinitrophenyl)-8-Azido-adenosine Mono-, Di-, and Triphosphates as Photoaffinity Probes of the Ca ²⁺ -ATPase of Sarcoplasmic Reticulum. Regulatory/Superfluorescent Nucleotides Label the Catalytic Site with High Efficiency" Journal of Biological Chemistry (1989), 264(4), 2043-52. |
| 25. | Soslau, G. et al., "Aggregation of Human and Canine Platelets: Modulation by Purine Nucleotides" Thrombosis Research (1993), 72(2), 127-37. |
| 26. | Thoenges D. et al., "Tight Binding of Bulky Fluorescent Derivatives of Adenosine to the Low Affinity E ₂ ATP Site Leads to Inhibition of Na+/K+-ATPase. Analysis of Structural Requirements of Fluorescent ATP Derivatives with a Koshland-Nemethy-Filmer Model of Two Interacting ATP Sites" Journal of Biological Chemistry (1999 Jan 22), 274(4), 1971-8. |
| 27. | Vigne, P. et al., "Benzoyl ATP Is an Antagonist of Rat and Human P2Y ₁ Receptors and of Platelet Aggregation" Biochemical and Biophysical Research Communications (1999), 256(1), 94-97. |
| | 16. 17. 18. 19. 20. 21. 22. 23. 24. |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

PTO FORM 1449

| ATTY, DOCKET NO. 03678.0064,00US00 | APPLICATION NO. 09/643,138 |
|---------------------------------------|-------------------------------|
| APPLICANT | |
| Boyer, et al. | |
| FILING DATE | GROUP |
| 21-Aug-2000 | 1623 |



Ward, D. et al., "Photoinactivation of Fluorescein Isothiocyanate-modified Na,K-ATPase by 2'(3')-O-(2,4,6-Trinitrophenyl)8-azidoadenosine 5'-Diphosphate. Abolition of E1 and E2 Partial Reactions by Sequential Block of High and Low Affinity Nucleotide Sites" *Journal of Biological Chemistry* (1998), 273(23), 14277-14284.